

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2515	455/575.1.ccls. or 455/575.5.ccls. or 455/575.7.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/24 16:39
S2	4625893	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/05/23 14:01
S3	1929	S1 and S2	US-PGPUB; USPAT	OR	ON	2007/05/23 14:01
S4	63	parasitic and S3	US-PGPUB; USPAT	OR	ON	2007/05/23 15:07
S5	1675	dual same parasitic	US-PGPUB; USPAT	OR	ON	2007/05/23 15:07
S6	1348	S5 and S2	US-PGPUB; USPAT	OR	ON	2007/05/23 15:08
S7	49	S6 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 15:12
S8	46	second near4 parasitic same antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 15:13
S9	36	S8 and S2	US-PGPUB; USPAT	OR	ON	2007/05/23 15:13
S10	418	(reflector or director or radiator or parasitic) near4 element and antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/23 16:37
S11	330	S10 and S2	US-PGPUB; USPAT	OR	ON	2007/05/23 16:37
S12	1	("6249688").URPN.	USPAT	OR	ON	2007/05/23 17:08
S13	33	("4121218"   "4471493"   "4992799"   "5248947"   "5260998"   "5337061"   "5374937"   "5507013"   "5572223"   "5583519"   "5651063"   "5659888"   "5659889"   "5779496"   "5828343"   "5838789"   "5907306"   "5936587"   "5978655"   "5995052"   "6016125"   "6031503"   "6043794"   "D318050"   "D347221"   "D352503"   "D367062"   "D379356"   "D382873"   "D398611"   "D407716"   "D421017"   "D421402").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/23 17:08
S14	9	("4313119"   "4940992"   "4992799"   "5554996"   "5561436"   "5561437"   "5572223"   "5760747"   "5995052").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/23 17:10
S15	3718	343/700.ccls. or 343/702.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/24 16:39

## EAST Search History

S16	4626009	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/05/24 16:39
S17	2760	S15 and S16	US-PGPUB; USPAT	OR	ON	2007/05/24 16:51
S18	336	S17 and parasitic	US-PGPUB; USPAT	OR	ON	2007/05/24 16:51
S19	4	("6285342"   "6337667"   "6489925"   "6529170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 10:58
S20	5	("6046703"   "6181283"   "6246374"   "6285327"   "6456249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/25 11:01
S21	3	("6563467").URPN.	USPAT	OR	ON	2007/05/25 11:01
S22	2679	455/575.1.ccls. or 455/575.5.ccls. or 455/575.7.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S23	48	second near4 parasitic same antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S24	1750	dual same parasitic	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S25	4654927	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S26	1353	S24 and S25	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S27	1993	S22 and S25	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S28	66	parasitic and S27	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S29	36	S23 and S25	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S30	49	S26 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S31	444	(reflector or director or radiator or parasitic) near4 element and antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S32	336	S31 and S25	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07

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S33	33	("4121218"   "4471493"   "4992799"   "5248947"   "5260998"   "5337061"   "5374937"   "5507013"   "5572223"   "5583519"   "5651063"   "5659888"   "5659889"   "5779496"   "5828343"   "5838789"   "5907306"   "5936587"   "5978655"   "5995052"   "6016125"   "6031503"   "6043794"   "D318050"   "D347221"   "D352503"   "D367062"   "D379356"   "D382873"   "D398611"   "D407716"   "D421017"   "D421402").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/18 18:07
S34	4	("6249688").URPN.	USPAT	OR	ON	2007/10/18 18:07
S35	9	("4313119"   "4940992"   "4992799"   "5554996"   "5561436"   "5561437"   "5572223"   "5760747"   "5995052").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/18 18:07
S36	3965	343/700.ccls. or 343/702.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S37	4654927	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S38	2782	S36 and S37	US-PGPUB; USPAT	OR	ON	2007/10/18 18:07
S39	340	S38 and parasitic	US-PGPUB; USPAT	OR	ON	2007/10/18 18:16
S40	4	("6285342"   "6337667"   "6489925"   "6529170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/18 18:07
S41	5	("6046703"   "6181283"   "6246374"   "6285327"   "6456249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/18 18:07
S42	4	("6563467").URPN.	USPAT	OR	ON	2007/10/18 18:07
S43	48	second near4 parasitic same antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/19 15:05
S44	311	second near4 parasitic same antenna and "343"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/19 15:05
S45	3	("5243353"   "5410323"   "6150982").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/19 15:23
S46	4	("6285342"   "6337667"   "6489925"   "6529170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/19 15:24
S47	5	("6697023").URPN.	USPAT	OR	ON	2007/10/19 15:24
S48	2679	455/575.1.ccls. or 455/575.5.ccls. or 455/575.7.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12

## EAST Search History

S49	48	second near4 parasitic same antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S50	1750	dual same parasitic	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S51	4654927	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S52	1353	S50 and S51	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S53	1993	S48 and S51	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S54	66	parasitic and S53	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S55	36	S49 and S51	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S56	49	S52 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S57	444	(reflector or director or radiator or parasitic) near4 element and antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S58	336	S57 and S51	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S59	33	("4121218"   "4471493"   "4992799"   "5248947"   "5260998"   "5337061"   "5374937"   "5507013"   "5572223"   "5583519"   "5651063"   "5659888"   "5659889"   "5779496"   "5828343"   "5838789"   "5907306"   "5936587"   "5978655"   "5995052"   "6016125"   "6031503"   "6043794"   "D318050"   "D347221"   "D352503"   "D367062"   "D379356"   "D382873"   "D398611"   "D407716"   "D421017"   "D421402").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S60	4	("6249688").URPN.	USPAT	OR	ON	2007/10/22 11:12
S61	9	("4313119"   "4940992"   "4992799"   "5554996"   "5561436"   "5561437"   "5572223"   "5760747"   "5995052").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S62	3965	343/700.ccls. or 343/702.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S63	4654927	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S64	2782	S62 and S63	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12

## EAST Search History

S65	340	S64 and parasitic	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S66	4	("6285342"   "6337667"   "6489925"   "6529170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S67	5	("6046703"   "6181283"   "6246374"   "6285327"   "6456249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S68	4	("6563467").URPN.	USPAT	OR	ON	2007/10/22 11:12
S69	2679	455/575.1.ccls. or 455/575.5.ccls. or 455/575.7.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S70	48	second near4 parasitic same antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S71	1750	dual same parasitic	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S72	444	(reflector or director or radiator or parasitic) near4 element and antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S73	4654927	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S74	1353	S71 and S73	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S75	1993	S69 and S73	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S76	3965	343/700.ccls. or 343/702.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S77	4654927	@ad<="20040402"	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S78	2782	S76 and S77	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S79	66	parasitic and S75	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S80	36	S70 and S73	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S81	49	S74 and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12

## EAST Search History

S82	33	("4121218"   "4471493"   "4992799"   "5248947"   "5260998"   "5337061"   "5374937"   "5507013"   "5572223"   "5583519"   "5651063"   "5659888"   "5659889"   "5779496"   "5828343"   "5838789"   "5907306"   "5936587"   "5978655"   "5995052"   "6016125"   "6031503"   "6043794"   "D318050"   "D347221"   "D352503"   "D367062"   "D379356"   "D382873"   "D398611"   "D407716"   "D421017"   "D421402").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S83	9	("4313119"   "4940992"   "4992799"   "5554996"   "5561436"   "5561437"   "5572223"   "5760747"   "5995052").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S84	4	("6249688").URPN.	USPAT	OR	ON	2007/10/22 11:12
S85	4	("6285342"   "6337667"   "6489925"   "6529170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S86	5	("6046703"   "6181283"   "6246374"   "6285327"   "6456249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S87	4	("6563467").URPN.	USPAT	OR	ON	2007/10/22 11:12
S88	336	S72 and S73	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S89	340	S78 and parasitic	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S90	5	("6697023").URPN.	USPAT	OR	ON	2007/10/22 11:12
S91	48	second near4 parasitic same antenna and "455"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S92	311	second near4 parasitic same antenna and "343"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/10/22 11:12
S93	4	("6285342"   "6337667"   "6489925"   "6529170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12
S94	3	("5243353"   "5410323"   "6150982").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/22 11:12